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17.24	Superconducting properties	2283	2476	2688	2881	3039	3180	3351	3528	3712	3889	4069	4273	4459
17.26	Semiconducting properties	2285	2480	2689	2882	3041	3181	3351	3530	3713	3891	4071	4277	4461

		July 2	July 16	July 30	Aug. 13	Aug. 27	Sept. 10	Sept. 24	Oct. 8	Oct. 22	Nov. 5	Nov. 19	Dec. 3	Dec. 17
17.27	Germanium & silicon semiconductors	2287	2485	2693	2884	3043	3186	3354	3532	3716	3893	4074	4281	4465
17.28	Semiconductor & interface devices	2288	2487	2694	2885	3043	3187	3355	3532	3718	3894	4075	4282	4466
17.29	Dielectric properties	2288	2491	2697	2887	3047	3189	3355	3533	3720	3895	4077	4284	4468
17.40	Thermoelectromagnetic properties	2293	2494	2700	2889	3049	3190	3357	3536	3724	3900	4079	4287	4469
17.50	Photoelectric properties	2293	2494	2700	2890	3049	3191	3357	3537	3725	3901	4079	4288	4470
17.52	Electron & ion emission by solids	2294	2495	2701	2890	3050	3193	3358	3537	3726	3901	4080	4288	4471
17.60	Magnetic properties of solids	2295	2497	2703	2891	3050	3194	3358	3538	3727	3902	4081	4289	4473
17.62	Paramagnetic properties	2296	2500	2704	2892	3051	3194	3359	3539	3727	3902	4082	4291	4474
17.64	Ferromagnetic properties	2297	2501	2704	2892	3051	3194	3359	3539	3727	3902	4083	4291	4474
17.66	Ferrimagnetic properties, Ferrites	2301	2510	2706	2894	3054	3195	3360	3541	3730	3904	4086	4294	4476
17.68	Antiferromagnetic properties	2302	2512	2706	2894	3054	3196	3361	3542	3732	3904	4087	4294	4477
17.69	Magnetic relaxation phenomena	2304	2515	2707	2895	3055	3196	3361	3543	3732	3905	4088	4295	4478
18.00	SOLID-STATE SPECTROSCOPY & OPTICAL PROPERTIES	2304	2516	2707	2895	3055	3197	3361	3543	3732	3905	4089	4296	4478
18.10	Optical properties of solids	2305	2517	2707	2896	3055	3197	3361	3544	3732	3906	4089	4296	4478
18.20	Mossbauer spectra	2308	2519	2710	2897	3056	3199	3363	3546	3734	3907	4091	4300	4480
18.30	Optical spectra	2310	2520	2711	2898	3057	3199	3364	3546	3734	3908	4091	4300	4481
18.40	Luminescence spectra	2314	2525	2714	2900	3059	3203	3366	3550	3738	3910	4096	4305	4485
18.50	Magnetic resonances	2317	2529	2716	2903	3060	3208	3367	3552	3740	3912	4099	4308	4487
18.52	Paramagnetic resonance & relaxation	2317	2531	2716	2903	3061	3208	3367	3552	3741	3912	4099	4308	4487
18.54	Nuclear magnetic resonance & relaxation	2320	2532	2717	2904	3062	3209	3368	3553	3742	3912	4101	4310	4488
19.00	PHYSICAL CHEMISTRY	2323	2534	2718	2905	3062	3209	3369	3554	3742	3913	4102	4311	4489
19.10	Thermochemistry. Reactions	2323	2534	2718	2905	3062	3209	3369	3554	3743	3913	4102	4311	4489
19.15	Oxidation, Corrosion	2324	2535	2720	2906	3063	3211	3369	3555	3743	3914	4103	4312	4490
19.20	Electrochemistry	2324	2536	2720	2906	3063	3211	3370	3555	3744	3914	4103	4313	4490
19.30	Photochemistry, Radiochemistry	2325	2537	2720	2906	3063	3211	3370	3555	3745	3915	4104	4313	4490
19.40	Physical methods of chemical analysis	2325	2537	2720	2906	3063	3212	3371	3556	3745	3915	4104	4313	4491
20.00	GEOPHYSICS	2326	2538	2721	2907	3064	3213	3371	3556	3746	3916	4105	4314	4491
20.10	Atmosphere	2327	2540	2723	2910	3066	3214	3371	3559	3748	3918	4107	4318	4494
20.20	Upper atmosphere	2328	2542	2726	2912	3067	3216	3376	3561	3750	3918	4109	4321	4497
20.30	Ionosphere	2329	2542	2727	2913	3069	3218	3376	3561	3751	3919	4109	4322	4498
20.35	D, E & F-regions	2330	2543	2728	2914	3069	3219	3379	—	3752	3920	4110	4325	4499
20.40	Geomagnetism	2330	2544	2728	2915	3069	3220	3379	3562	3752	3921	4110	4326	4500
20.50	Space-research techniques	2331	2544	2729	2916	3070	3221	3380	3562	3753	3921	4111	4327	4500
21.00	ASTROPHYSICS	2331	2544	2729	2916	3071	3222	3380	3563	3754	3922	4111	4327	4501
21.10	Galaxies	2333	2545	2730	2917	3072	3223	3380	3564	3755	3922	4112	4328	4501
21.20	Stars	2335	2547	2732	2918	3072	3228	3381	3564	3758	3923	4113	4329	4502
21.30	Radio sources, X-rays & gamma-ray sources	2340	2550	2735	2921	3075	3231	3383	3568	3763	3925	4114	4331	4504
21.40	Solar systems	2342	2551	2736	2923	3076	3232	3383	3568	3766	3926	4115	4332	4505
21.45	Sun	2345	2557	2742	2926	3078	3235	3386	3572	3767	3927	4116	4334	4506
21.60	Astronomical techniques	2347	2558	2744	2927	3080	3236	3387	3573	3771	3929	4117	4335	4508
22.00	BIOPHYSICS	2348	2558	2744	2928	3080	3236	3387	3574	3771	3930	4117	4336	4508
22.10	Health & medical physics	2348	2558	2744	2928	3080	3236	3387	3574	3771	3930	4117	4336	4508
22.20	Hearing, Speech	2349	2559	2745	2929	3080	3237	3388	3576	3772	3930	4119	4339	4508
22.30	Vision	2349	2560	2745	2929	3082	3238	3388	3577	3774	3931	4120	4339	4509
23.00	LABORATORY & EXPERIMENTAL TECHNIQUES	2350	2561	2746	2929	3082	3238	3388	3579	3774	3932	4121	4340	4509
23.10	High- & low-temperature techniques	2350	2561	2746	2930	3082	3238	3389	3580	3775	3932	4122	4340	4510
23.20	High-pressure techniques	2350	—	2746	2930	3082	3239	3389	3580	—	—	—	4341	4510
23.30	Vacuum techniques	2350	2561	2746	2930	3082	3239	3389	3580	3775	3932	4122	4341	4510
23.40	X-ray tubes & techniques	2351	2562	2747	2931	—	3240	3389	3580	3775	3932	—	4341	4511

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ERRATA – PART II

- Abstr. 42031, 42086, 42100, 43229-31, 43239, 43242, 43413 and 43789 of 1970: journal reference should read *Defence Sci. J. (India)*, vol. 20, no. 1 (Jan. 1970)
- Abstr. 45151 of 1970: title should read **Belgian-Dutch Antarctic Expedition 1964. Atmospheric electricity**
- Abstr. 50662 of 1970: title should read **Effects of hydrostatic pressure on the mechanical behaviour of body-centred-cubic refractory metals and alloys (Report NASA-CR-100895)**. Delete final sentence of abstract
- Abstr. 57293, 57305, 57446, 57505, 57654-6, 57659, 57677-8, 57684, 57705-6, 57714, 57719-21, 57743, 57792, 58276, 58440, 58556, 58665, 58783, 59070, 59084, 59100, 59119, 59131-2, 59140, 59143-4, 59147-8, 59153, 59167-8, 59189, 59203, 59212, 59215, 59228, 59282, 59297, 59347-8, 59372, 59384, 59387, 59405, 59411, 59423, 59746, 59939, 60071, 60156, 60464, 60484-5, 60592, 60630, 61987-8, 62015, 62213, 62250 and 63076 of 1970: journal date should read 15 April 1970
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LIST OF JOURNALS

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If no indication of language is given in the abstract, the article may be assumed to be in English. This does not necessarily hold, however, for abstracts reproduced from other abstracting periodicals which give no indication of language.

Abh. Braunschweig. Wiss. Ges. (Germany)

Abhandlungen der Braunschweigischen Wissenschaftlichen Gesellschaft
Publisher: Friedr. Vieweg, Braunschweig, Germany

Abh. Deut. Akad. Wiss. Berlin, Kl. Math. Phys. Tech. (Germany)

Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin, Klasse für Mathematik, Physik und Technik Akademie-Verlag, Leipziger Strasse 3-4, Berlin 108, Germany

ABU Tech. Rev. (Japan)

ABU Technical Review Asian Broadcasting Union, NHK Building, 2-3 Uchisaiwai-cho, 2-chome, Chiyoda-ku, Tokyo 100, Japan

ACEC Revue (Belgium)

ACEC Revue Ateliers de Constructions Electriques de Charleroi, Avenue Emile Rousseau, Marcinelle-Charleroi, Belgium

Acqua (Italy)

L'Acqua Associazione Idrotecnica Italiana, Via dei Sabini 7, 00187 Roma, Italy

Acta Astron. (Poland)

Acta Astronomica Export-Import Enterprise 'RUCH', Warszawa, ul. Wroclawska 23, Poland

Acta Cient. (Argentina)

Acta Cientifica Instituto de Investigaciones Cientificas y Tecnicas de las Fuerzas Armadas (CITEFA), Tres de Febrero 1250, San Martin, Buenos Aires, Argentina

Acta Crystallogr. A (Denmark)

Acta Crystallographica Section A: Crystal Physics, Diffraction, Theoretical and General Crystallography Munksgaard International Booksellers and Publishers Ltd., Prags Boulevard 47, Kobenhavn S, Denmark

Acta Crystallogr. B (Denmark)

Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry Munksgaard International Booksellers and Publishers Ltd., Prags Boulevard 47, Kobenhavn S, Denmark

Acta Electron. (France)

Acta Electronica 3 Avenue Descartes, BP 15, 94 Limeil-Brevannes, (Val-de-Marne), France

Acta Geophys. Pol. (Poland)

Acta Geophysica Polonica Export-Import Enterprise 'RUCH', ul. Wilcza 46, Warszawa 1, Poland

Acta Manilana A (Philippines)

Acta Manilana. Series A University of Santo Tomas Research Centre, Manila, Philippines

Acta Mech. (Austria)

Acta Mechanica Springer-Verlag, Molkerbastei 5, 1010 Wien, Austria

Acta Met. (USA)

Acta Metallurgica Box 1088 Schenectady, NY. Publisher: Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA

Acta Mex. Cienc. Tecnol. (Mexico)

Acta Mexicana de Ciencia y Tecnologia Consejo Editorial del Instituto Politecnico Nacional, Prolongacion de Diaz Miron y Plan de San Luis, Mexico 17, D.F., Apartado Postal 42-61, Mexico

Acta Phys. Austriaca

Acta Physica Austriaca Springer-Verlag, Molkerbastei 5, 1010 Wien, Austria

Acta Phys. Chem. Szeged (Hungary)

Acta Physica et Chemica (Acta Universitatis Szegediensis) Szegedi Tudományegyetem Természettudományi Kara, Aradi Vértanúk Tere 1, Szeged, Hungary

Acta Phys. Hung. (Hungary)

Acta Physica Academiae Scientiarum Hungaricae Postafiók 24, Budapest 502. Subscription address: 'Kultura', Foreign Trade Company for Books and Newspapers, Fő utca 32, Budapest 1, Hungary

Acta Phys. Pol. (Poland)

Acta Physica Polonica. Title changed to: *Acta Phys. Pol. A* and *Acta Phys. Pol. B*

Acta Phys. Pol. A (Poland)

Acta Physica Polonica A Formerly: *Acta Phys. Pol. (Poland)* Polska Akademia Nauk, Export and Import Enterprises 'Ruch', ul. Wilcza 46, Warszawa, Poland

Acta Phys. Pol. B (Poland)

Acta Physica Polonica B Polska Akademia Nauk, Export and Import Enterprise 'Ruch' ul. Wilcza 46, Warszawa, Poland

Acta Polytech. III (Czechoslovakia)

Acta Polytechnica. Series III Elektrotechnická fakulta CVUT v Praze, Technická ul. 2, Praha 6-Dejvice, Czechoslovakia

Acta Polytech. Scandinavica

Acta Polytechnica Scandinavica Publication address: P.O. Box 5073, S-102 42 Stockholm 7, Sweden

Acta Tech. CSAV (Czechoslovakia)

Acta Technica Ceskoslovenska Akademie Ved Subscription address: Postovní Novinovýinrad, Jindřická 14 Praha 1, Czechoslovakia

Acustica (Germany)

Acustica S. Hirzel Verlag K-G, Postfach 347, 7 Stuttgart-N, Germany

Adhes. Age (USA)

Adhesives Age Palmerton Publishing Co., 101 West 31st Street, New York, N.Y. 10001, USA

ADL-Nachr. (Germany)

ADL Nachrichten 23 Kiel 14, Boldhorn 1a, Germany

Adv. Appl. Probab. (GB)

Advances in Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

Adv. At. & Mol. Phys. (USA)

Advances in Atomic and Molecular Physics Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

Adv. Phys. (GB)

Advances in Physics Taylor & Francis, Cannon House, Macklin Street, London, WC2B 5NF, England

Adv. Theor. Phys. (USA)

Advances in Theoretical Physics Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

Advance (GB)

Advance University of Manchester, Bureau of Industrial Liaison, P.O. Box No. 88, Sackville Street, Manchester 1, England

Aeronaut. J. (GB)

Aeronautical Journal Royal Aeronautical Society, 4 Hamilton Place, London, W1V 0BO, England

Aeronaut. Q. (GB)

Aeronautical Quarterly Royal Aeronautical Society 4 Hamilton Place, London, W1V 0BO, England

AIAA J. (USA)

AIAA Journal American Institute of Aeronautics and Astronautics, 190 Avenue of the Americas, New York, N.Y. 10019, USA

AIChE J. (USA)

A.I.Ch.E. Journal American Institute of Chemical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

Air-Espace Tech. (France)

Air-Espace Techniques Editions PDP, 11 rue Tronchet, Bureau 743, Paris 8, France

Aktual. Probl. Inf. Dok. (Poland)

Aktualne Problemy Informacji i Dokumentacji Centralny Instytut Informacji i Naukowo-Technicznej i Ekonomicznej, Warszawa, al Niepodległości 188, Poland

Akust. Zh. (USSR)

Akusticheskii Zhurnal Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Sov. Phys. Acoust. (USA)*]

Albiswerk-Ber. (Switzerland)

Albiswerk-Berichte Albiswerk AG, Albisriederstrasse 245, Zurich 8047, Switzerland

ALGOL Bull. (GB)

ALGOL Bulletin Editor, ALGOL Bulletin, 3 Elles Avenue, Merrow, Guildford, Surrey, England

Algorytmy (Poland)*Algorytmy* Instytut Maszyn Matematycznych, Warszawa, Poland**Allis-Chalmers Eng. Rev. (USA)***Allis-Chalmers Engineering Review* Milwaukee, Wis. 53201, USA**Alta Frequenza (Italy)***Alta Frequenza* Associazione Elettrotecnica Italiana, Via San Paolo 10, Milano 20121, Italy**Am. Ceram. Soc. Bull. (USA)***American Ceramic Society Bulletin* 4055 North High Street, Columbus, Ohio 43214, USA**Am. Doc. (USA)***American Documentation* Title changed to: *J. Am. Soc. Inf. Sci. (USA)***Am. J. Phys. (USA)***American Journal of Physics* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA**Am. Math. Mon. (USA)***American Mathematical Monthly* Mathematical Association of America, 1225 Connecticut Avenue, N.W., Washington, D.C. 20036, USA**Am. Sci. (USA)***American Scientist* Society of Sigma Xi, 155 Whitney Avenue, New Haven, Conn. 06510, USA**An. Acad. Brasil. Cienc.***Anais da Academia Brasileira de Ciencias* Caixa Postal 229, ZC-00 Rio de Janeiro gb, Brazil**An. Mec. & Elec. (Spain)***Anales de Mecanica y Electricidad* Reina 31, Madrid-4, Spain**An. R. Soc. Esp. Fis. Quim. A (Spain)***Anales de la Real Sociedad Espanola de Fisica y Quimica. Serie A (Fisica)* Ciudad Universitaria, Madrid 3, Spain**An. Stiint. Univ. 'Al. I. Cuza' Iasi (Ser. Noua) I (Romania)***Analele Stiintifice ale Universitatii 'Al.I.Cuza' din Iasi (Serie Noua). Sectiunea I Fizica* Calea 23 August, Iasi, Rumania**Anal. Chem. (USA)***Analytical Chemistry* American Chemical Society, 1145 Sixteenth Street N.W., Washington, D.C. 20036, USA**Analyst (GB)***The Analyst* Society for Analytical Chemistry, 9/10 Savile Row, London, W1X 1AF, England**Ann. Acad. Sci. Fennicae AI (Finland)***Annales Academiae Scientiarum Fennicae, Series AI (Mathematica)* Vanrikki Stoolinkatu 11b, Helsinki 10, Finland**Ann. Acad. Sci. 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Bruxelles I (Belgium)***Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques* Institut de Physique, Parc d'Arenberg, Heverle-Louvain, Belgium**Ann. Telecommun. (France)***Annales des Telecommunications* Centre National d'Etudes des Telecommunications, 38 rue du General Leclerc, Issy-les-Moulineaux (Seine), France**Ann. Tokyo Astron. Obs. (Japan)***Annals of the Tokyo Astronomical Observatory* University of Tokyo, Mitaka, Tokyo, Japan**Ann. Univ. Turku AI (Finland)***Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica-Physica-Mathematica)* Turun Yliopisto, Turku, Finland**Ann. Proc. Ass. Sci. Tech. Soc. S. Afr. (S.Africa)***Annual Proceedings of the Associated Scientific and Technical Societies of South Africa* Kelvin House, Marshall and Holland Streets, PO Box 5907, Johannesburg, South Africa**Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. 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Aust. Telecommun. Res. (Australia)

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Jap. Telecommun. Rev. (Japan)

Japan Telecommunications Review Nippon Telegraph and Telephone Public Corporation, 1, I-chome, Uchisaiwai-cho, Tokyo Publication address: Telecommunications Association, 3, I-chome, Yuraku-cho, Chiyoda-ku, Tokyo, Japan

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KFKI Kozlemenyek Hungarian Academy of Sciences, Budapest 114, POB 49, Hungary

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Kleipzig Fachberichte fur die Fuhrungskrafte aus Maschinenbau und Hut tenwesen Dr. Moller Kleipzig-Druck, 4 Dusseldorf, Germany

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Kodaikanal Observatory Bulletin, Series A Government of India Press, 2 Coimbatore, Delhi 6, India

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Kumamoto J. Sci. A (Japan)

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Magnetohydrodynamics [Translation of: *Magn. Gidrodin. (USSR)*] Faraday Press, 84 Fifth Avenue, New York, N.Y. 10011, USA
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Oceanology [Translation of: *Okeanologiya (USSR)*] American Geophysical Union, Suite 435, 2100 Pennsylvania Avenue NW, Washington, DC 20037, USA

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Operations Research Operations Research Society of America, 428 East Preston Street, Baltimore, Md. 21202, USA

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Pakistan Eng.

Pakistan Engineer Council of the Institute of Engineers (Pakistan), Ramma, Dacca-2, Pakistan

Pakistan J. Sci.

Pakistan Journal of Science Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan

Pakistan J. Sci. Ind. Res.

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Revista Mexicana de Fisica Sociedad Mexicana de Fisica, Apartado Postal No.20 364, Mexico 20, D.F., Mexico
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Reviews of Modern Physics American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA
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Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales de Madrid Valverde 22, Madrid 13, Spain
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Ricerche Spettroscopiche Specola Vaticana, Citta dei Vaticano, Italy

Riv. Nuovo Cimento (Italy)

Rivista del Nuovo Cimento Societa Italiana di Fisica, Via Degli Andalò, 2, Bologna 40124, Italy, Italy

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Roorkee University Research Journal Water Resources Development Training Center, University of Roorkee, Roorkee, U.P., India

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Rundfunktechnische Mitteilungen Instut für Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany

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Russian Engineering Journal [Translation of: *Vestn. Mash. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England

Ry Gaz. (GB)

Railway Gazette Temple Press, 161-166 Fleet Street, London, EC4, England

S. Afr. J. Sci. (S. Africa)

South African Journal of Science South African Association for the Advancement of Science, Kelvin House, Marshall and Holland Street, Johannesburg, South Africa

S. Stars (New Zealand)

Southern Stars Royal Astronomical Society of New Zealand, P.O. Box 3181, Wellington C1, New Zealand

Sahko (Finland)

Sahko Electricity in Finland Sarkiniementie 3, Helsinki 21, Finland

Scanner (GB)

Scanner Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England

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Science and Engineering Review of Doshisha University Science and Engineering Research Institute of Doshisha University, Kyoto, Japan

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Science of Light Published by the Institute for Optical Research, Tokyo University of Education (in collaboration with the Spectroscopical Society of Japan), 400, Hyakunintyo-4, Sinzuku, Tokyo, Japan

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Scientific Proceedings of the Royal Dublin Society, Series A Ball's Bridge, Dublin, Ireland

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Signal und Draht Dr. Arthur Tetzlaff-Verlag, 6 Frankfurt am Main 1, Niddastrasse 64, Germany

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Sitzungsberichte der Deutschen Akademie der Wissenschaften zu Berlin, Klasse für Mathematik, Physik und Technik Publisher: Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin, Germany

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Sitzungsberichte, Österreichische Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Klasse, Abteilung II (Mathematik, Astronomie, Physik, Meteorologie und Technik) Dr. Ignaz Seipel-Platz 2, Wien. Publication address: Springer-Verlag, Molkerbastei 5, Wien 1, Austria

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Soviet Automatic Control [Translation of: *Avtomatika (USSR)*] Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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Soviet Electrical Engineering [Translation of: *Elektrotehnika (USSR)*] Faraday Press, 84 Fifth Avenue, New York, N.Y. 10011, USA

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Soviet Journal of Nuclear Physics [Translation of: *Yadernaya Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

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Soviet Physics-Crystallography [Translation of: *Kristallografiya (USSR)*] Published by the American Institute of Physics with the cooperation of the American Crystallographic Association. Subscription address: American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

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Spectroscopy Letters Marcel Dekker, 95 Madison Avenue, New York, N.Y. 10016, USA

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SPIE-Glass Society of Photo-Optical Instrumentation Engineers, 119 Palos Verdes Boulevard, Redondo Beach, Calif. 90277, USA. Incorporated with Soc. Photo-Opt. Instrum. Eng. J. (USA)

Stanki & Instrum. (USSR)

Stanki i Instrument Mashinostroenie, ul. 25 Oktyabrya, d. 10, Moskva, K-12, USSR [English translation in: *Mach. & Tooling (GB)*]

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Steklo i Keramika Kusnetskii Most, d. 20, Moskva, K-31, USSR [English translation in: *Glass & Ceram. (USA)*]

Steuerungstechnik (Germany)

Steuerungstechnik Krausskopf-Verlag, 65 Mainz, Postfach 2760, Lessingstrasse 12-14, Germany

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Strain British Society for Strain Measurement, 281 Heaton Road, Newcastle upon Tyne, NE6 5QB, England

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Studii si Cercetari de Energetica si Electrotehnica Editura Academiei Republicii Socialiste Romania, Sos Vitan nr. 236, Bucuresti, Romania

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Stud. Cercet. Stiint. Fiz. Stiint. Tehn. (Romania)

Studii si Cercetari Stiintifice, Fizica si Stiinte Tehnice Academia Republicii Populare Romine. POB 134-4, Bucuresti, Romania

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Sudan Eng. Soc. J.

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Sulzer Tech. Rev. (Switzerland)

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Surface Sci. (Netherlands)

Surface Science North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

Svar. Proiz. (USSR)

Svarochnoye Proizvodstva Mashinostroenie, Moskva, I-110 GSP, Nro-nekt Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]

Sven. Vattenkraftforen. Publ. (Sweden)

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Svetotekhnika (USSR)

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RI 02904, USA.

Meteorological and Geostrophysical Abstracts

American Meteorological Society, 45 Beacon Street, Boston,
MA 02108, USA.

Official Gazette, United States Patent Office,

Washington, D.C. 20231, USA.

Scientific and Technical Aerospace Reports (STAR)

National Aeronautics and Space Administration, American
Institute of Aeronautics and Astronautics, 750 Third Avenue,
New York, NY 10017, USA.

U.S. Government Research and Development Reports -

Clearinghouse for Federal Scientific and Technical Information,
Springfield, VA 22151, USA.

JOURNALS ABSTRACTED COMPLETELY

The following lists give the names of those journals all of whose scientific and technical articles are abstracted completely by either Physics Abstracts, Electrical & Electronics Abstracts or Computer & Control Abstracts. A certain amount of discretion must, however, be allowed in the interpretation of the phrase 'completely abstracted' as nearly all journals occasionally publish items of non-scientific, transient or trivial character which are, of course, not abstracted.

Some of these journals publish a small proportion of significant articles on subjects not normally considered to come within the fields of interest of Science Abstracts and these articles are still recorded and indexed, although in some cases an abstract may not be included. The number of such articles is too small to weigh against the inclusion of the corresponding journals in the lists, particularly those of national scientific and engineering societies. The absence of a journal title from these lists does not exclude the possibility that the contents of the journal have also been abstracted completely in the sense indicated above, and in such cases the journal title will be added to the list in due course.

Journals abstracted completely in Physics Abstracts

Acta Crystallogr. A (Denmark)	Fortschr. Phys. (Germany)	Nuovo Cimento B (Italy)
Acta Met. (USA)	Helv. Phys. Acta (Switzerland)	Opt. Acta (GB)
Acta Phys. Austriaca	Icarus (USA)	Opt. & Spektrosk. (USSR)
Acta Phys. Hung. (Hungary)	Indian J. Phys.	Optik (Germany)
Acta Phys. Pol. A (Poland)	Indian J. Pure & Appl. Phys.	Particle Accelerators (GB)
Acta Phys. Pol. B (Poland)	Indian J. Theor. Phys.	Phil. Mag. (GB)
Acustica (Germany)	Int. J. Solids Structures (GB)	Phys. Fluids (USA)
Adv. At. & Mol. Phys. (USA)	Int. J. Theor. Phys. (GB)	Phys. Kond. Mater. (Germany)
Adv. Phys. (GB)	Izv. Akad. Nauk SSSR, Ser. Fiz.	Phys. Lett. A (Netherlands)
Adv. Theor. Phys. (USA)	Izv. VUZ Fiz. (USSR)	Phys. Lett. B (Netherlands)
Akust. Zh. (USSR)	J. Acoust. Soc. Am. (USA)	Phys. Norv. (Norway)
Am. J. Phys. (USA)	J. Appl. Crystallogr. (Denmark)	Phys. Rev. A (USA)
Ann. Inst. Henri Poincaré A (France)	J. Appl. Phys. (USA)	Phys. Rev. B (USA)
Ann. Phys. (France)	J. Atmos. & Terr. Phys. (GB)	Phys. Rev. C (USA)
Ann. Phys. (Germany)	J. Chem. Phys. (USA)	Phys. Rev. D (USA)
Ann. Phys. (USA)	J. Cryst. Growth (Netherlands)	Phys. Rev. Lett. (USA)
Appl. Opt. (USA)	J. Math. Phys., New York (USA)	Phys. Scripta (Sweden)
Appl. Phys. Lett. (USA)	J. Mol. Spectrosc. (USA)	Phys. Status Solidi (Germany)
Astrofizika (USSR)	J. Opt. Soc. Am. (USA)	Physica (Netherlands)
Astron. J. (USA)	J. Phys. (France)	Physics (USA)
Astron. Zh. (USSR)	J. Phys. A (GB)	Plasma Phys. (GB)
Astrophys. J. (USA)	J. Phys. B (GB)	Prog. Theor. Phys. (Japan)
Astrophys. J. Suppl. (USA)	J. Phys. C (GB)	Rep. Prog. Phys. (GB)
Astrophys. Lett. (GB)	J. Phys. D (GB)	Rev. Mexicana Fis.
Astrophys. Space Sci. (Netherlands)	J. Phys. E (GB)	Rev. Mod. Phys. (USA)
Aust. J. Phys. (Australia)	J. Phys. & Chem. Solids (GB)	Rev. Roum. Phys. (Rumania)
C. R. Hebd. Sean. Acad. Sci. B (France)	J. Phys. Soc. Jap. (Japan)	Rev. Sci. Instrum. (USA)
Can. J. Phys. (Canada)	J. Plasma Phys. (GB)	Scripta Met. (USA)
Chem. Phys. Lett. (Netherlands)	Jap. J. Appl. Phys. (Japan)	Solid State Commun. (USA)
Chin. J. Phys. (Taiwan)	JETP Lett. (USA)	Solid State Phys. (USA)
Comput. Phys. Commun. (Netherlands)	Kristallografiya (USSR)	Ukr. Fiz. Zh. (USSR)
Cosmic Electrodynamics (Netherlands)	Lett. Nuovo Cimento (Italy)	Usp. Fiz. Nauk (USSR)
Cryst. Lattice Defects (GB)	Mol. Phys. (GB)	Yadernaya Fiz. (USSR)
Czech. J. Phys.	Mon. Not. R. Astron. Soc. (GB)	Z. Angew. Phys. (Germany)
Dokl. Akad. Nauk SSSR (Phys. Sec.)	Nucl. Fusion (Austria)	Z. Naturforsch. (Germany)
Exp. Tech. Phys. (Germany)	Nucl. Instrum. & Meth. (Netherlands)	Z. Phys. (Germany)
Ferroelectrics (GB)	Nucl. Phys. A (Netherlands)	Zh. Eksp. Teor. Fiz. (USSR)
Fiz. Tekh. Poluprov. (USSR)	Nucl. Phys. B (Netherlands)	Zh. Eksp. Teor. Fiz. Pis'ma (USSR)
Fiz. Tverd. Tela (USSR)	Nuovo Cimento A (Italy)	Zh. Tekh. Fiz. (USSR)
Fizika (Yugoslavia)		

Journals abstracted completely in Electrical & Electronics Abstracts or Computer & Control Abstracts

Acta Electron. (France)	IEEE Trans. Aersp. & Electron. Syst. (USA)	IEEE Trans. Syst. Sci. & Cybern. (USA)
Acta Polytech. Scandinavica, El.	IEEE Trans. Antennas & Propagation (USA)	IEEE Trans. Vehicular Technol. (USA)
Alta Frequenza (Italy)	IEEE Trans. Audio & Electroacoust. (USA)	Inf. Contr. (USA)
Arch. Elek. Übertrag. (Germany)	IEEE Trans. Autom. Contr. (USA)	Int. J. Contr. (GB)
Arch. Elektrotech. (Germany)	IEEE Trans. Bio-Med. Eng. (USA)	Int. J. Electron. (GB)
Arch. Elektrotech. (Poland)	IEEE Trans. Broadcast & Telev. Receivers (USA)	Izv. VUZ Radioelektron. (USSR)
Automatisme (France)	IEEE Trans. Broadcast. (USA)	J. Am. Soc. Inf. Sci. (USA)
Avtom. & Telemekh. (USSR)	IEEE Trans. Circuit Theory (USA)	J. Ass. Comput. Mach. (USA)
BBC Eng. (GB)	IEEE Trans. Commun. Technol. (USA)	J. Inst. Elec. Commun. Eng. Jap. (Japan)
Bell. Syst. Tech. J. (USA)	IEEE Trans. Comput. (USA)	J. Radio Res. Lab. (Japan)
Commun. ACM (USA)	IEEE Trans. Educ. (USA)	Marconi Rev. (GB)
Comput. J. (GB)	IEEE Trans. Elec. Insul. (USA)	Microelectron. & Rel. (GB)
Comput. Progr. Biomed. (Netherlands)	IEEE Trans. Electromagn. Compat. (USA)	Nachrichtentech. Z. (Germany)
Comput. Surv. (USA)	IEEE Trans. Electron Devices (USA)	Nachrichtentechnik (Germany)
Computing (Austria)	IEEE Trans. Eng. Manage. (USA)	Post. Off. Elec. Eng. J. (GB)
Elec. Eng. Jap. (USA)	IEEE Trans. Eng. Writing & Speech (USA)	Prace Inst. Laczności (Poland)
Electron. Eng. (GB)	IEEE Trans. Geosci. Electron. (USA)	Proc. IEEE (USA)
Electron. Lett. (GB)	IEEE Trans. Ind. Electron. & Contr. Instrum. (USA)	Proc. Inst. Elec. Eng. (GB)
Elektrichestvo (USSR)	IEEE Trans. Ind. & Gen. Appl. (USA)	Radio & Electron. Eng. (GB)
Elektronika (Poland)	IEEE Trans. Inf. Theory (USA)	Radio Sci. (USA)
Elektrosvyaz (USSR)	IEEE Trans. Magn. (USA)	Radiotekh. & Elektron. (USSR)
Elektrotech. Obzor (Czechoslovakia)	IEEE Trans. Man-Mach. Syst. (USA)	Radiotekhnika (USSR)
Elektrotech. Z. (ETZ) A (Germany)	IEEE Trans. Meas. (USA)	Rundfunktech. Mitt. (Germany)
Elektrotechnika (USSR)	IEEE Trans. Microwave Theory & Tech. (USA)	Scientia Elec. (Switzerland)
Energy Convers. (GB)	IEEE Trans. Nucl. Sci. (USA)	SIAM J. Contr. (USA)
Frequenz (Germany)	IEEE Trans. Power App. & Syst. (USA)	Simulation (USA)
Hochfrequenztech. & Elektroakust. (Germany)	IEEE Trans. Pts. Mater. & Packag. (USA)	Slaboproudy Obzor (Czechoslovakia)
IBM Syst. J. (USA)	IEEE Trans. Rel. (USA)	Solid-State Electron. (GB)
IEEE J. Quantum Electron. (USA)	IEEE Trans. Sonics & Ultrasonics (USA)	Tech. Mitt. PTT (Switzerland)
IEEE J. Solid State Circuits (USA)		Tech. Mitt. RFZ (Germany)

THE TRANSLITERATION OF RUSSIAN FOR BIBLIOGRAPHICAL PURPOSES

English Letters	Languages	Cyrillic Letters	English Letters	Languages	Cyrillic Letters
a	R S B	А а	p	R S B	П п
b	R S B	Б б	r	R S B	Р р
ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ë	R	Ё ё	sht	B	Щ щ
é	R	Э э	t	R S B	Т т
ê	R B	Ћ ћ	t'	R B	ТЬ ть
f	R S B	Ф ф	t'	S	Ѓ ѓ
g	R S B	Г г	th	R	Ө ө
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	ТС тс
ī	R B	Й й	u	R S B	У у
j	S	Џ џ	ū	B	Ъ ъ
j'	S	Ђ ђ	ū	B	Ж ж
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	Ј ј
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	Љ љ	ÿ	R	Ѹ Ѹ
l'	S	Љ љ	ya	R B	Ј ј
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	Њ њ	zh	R S B	Ж ж
n'	S	Њ њ	'	R	Ъ ъ
o	R S B	О о	'	R B	Ь ь

The use of l', n' and t' in Russian and Bulgarian (where they are not transliterations of a single letter, but merely l, n or t followed by the soft sign) is included to emphasise the fact that they are used for single letters only in Serbian.

'Shch' and 'sht' invariably represent the letter Щ in Russian and Bulgarian, respectively, since the pairs of letters (ЩЧ in Russian and ШТ in Bulgarian) seem never to occur consecutively in the respective languages.

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AUTHOR INDEX - PART II

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e.g. for a full entry:

Collins, J. H., Rubens, H., Zapp, H. R. Properties of gadolinium garnet. .0-1234

the following cross-references appear:

Rubens, H. see Collins, J. H. 0-1234

Zapp, H. R. see Collins, J. H. 0-1234

All names are reproduced in the abstracts and the index with the same spelling as in the original articles; in the case of articles printed in Cyrillic characters, a letter-by-letter transliteration is given. Russian authors' names may appear in Latin-alphabet publications in various forms, due to the use of different transliteration schemes; these names are reproduced as printed in the articles abstracted.

The alphabetical sorting is in word-by-word order (e.g. Van der Merwe is listed before Vanderhagen). Compound names are generally listed under the first component (e.g. Neng-Ming Wang is listed in with the names beginning with N). However, cross-references are included in appropriate places (e.g. Wang Neng-Ming. . . see Neng-Ming Wang).

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